

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

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GROUP 1700

1. (Currently Amended) A laminated optical disc manufacturing apparatus comprising:

an adhesive applier that applies ~~applying device adapted to apply~~ an adhesive to a first substrate, ~~forming an adhesive layer having a specific thickness between the first substrate and a second substrate superimposed onto the first substrate;~~

a laminator configured to superimpose a second substrate onto the first substrate to form an adhesive layer having a specific thickness ~~between the first and second substrates;~~

an adhesive supply source that supplies ~~adapted to supply~~ the adhesive to the adhesive applier applying device, the adhesive being controlled to have a first predetermined temperature; and

a defoaming tank that removes ~~adapted to remove~~ bubbles from the adhesive at a second predetermined temperature, the second predetermined temperature being higher than the first predetermined temperature.

2. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 1, further comprising:

an adhesive recovery tank that recovers for recovering adhesive unused in the formation of the adhesive layer; and

a filter that filters ~~adapted to filter~~ the recovered adhesive at a third predetermined temperature higher than the first predetermined temperature; wherein the defoaming tank is further adapted to remove bubbles from the filtered adhesive.

3. (Original) The laminated optical disc manufacturing apparatus according to claim 2, wherein the second predetermined temperature is equal to the third predetermined temperature.

4. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 1, wherein the apparatus is configured to use the adhesive comprising a radiation cure resin as the adhesive.

5. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 1, wherein the apparatus is configured to use the adhesive comprising a thermoplastic resin as the adhesive.

Claim 6 (Canceled)

7. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 1, further comprising:

a spreader ~~configured spreading device adapted to integrally rotate the superimposed first substrate and second substrate at a predetermined spreading rotational speed;~~

wherein the adhesive applier ~~applying device~~ is further adapted to apply the adhesive at a predetermined application rotational speed onto a predetermined radial position on a first surface of the first substrate, the adhesive forming an annular mound having a top edge of a narrow peak shape in cross section;

wherein the second substrate is superimposed onto the first substrate by contacting the top edge of the annular mound with the second substrate; and

wherein the annular mound is spread from the predetermined radial position toward an outside circumference of the first substrate to form the adhesive layer between the first substrate and the second substrate.

Claims 8-13 (Canceled)

14. (Currently Amended) A laminated optical disc manufacturing apparatus comprising:

an adhesive applier that applies applying device adapted to apply an adhesive to a first substrate, ~~forming an adhesive layer between the first substrate and a second substrate superimposed onto the first substrate;~~

a laminator configured to superimpose a second substrate onto the first substrate to form an adhesive layer having a specific thickness between the first and second substrates;

an adhesive supply source that supplies adapted to supply the adhesive to the adhesive applier applying device, the adhesive being controlled to have a first predetermined temperature;

an adhesive recovery tank that recovers ~~for recovering~~ adhesive unused in the formation of the adhesive layer; and

a defoaming tank that removes ~~adapted to remove~~ bubbles from at least one of the adhesive supply source and the adhesive recovery tank at a second predetermined temperature, the second predetermined temperature being higher than the first predetermined temperature.

15. (Currently Amended) A laminated optical disc manufacturing method comprising:

supplying an adhesive to an adhesive applying device, the adhesive being controlled to have a first predetermined temperature;

defoaming the adhesive by removing bubbles from the adhesive at a second predetermined temperature, the second predetermined temperature being higher than the first predetermined temperature;

applying the defoamed adhesive on a first ~~a first~~ substrate;
superimposing a second substrate onto the first substrate to form forming
an adhesive layer having a specific thickness between the first substrate and a second substrate.

16. (Original) The laminated optical disc manufacturing method according to claim 15, further comprising:

recovering adhesive unused in the formation of the adhesive layer;
filtering the recovered adhesive at third predetermined temperature higher than the first predetermined temperature;
defoaming the filtered adhesive by removing bubbles from the filtered adhesive; and
supplying the defoamed adhesive to the adhesive applying device.

Claim 17 (Canceled)

18. (Currently Amended) The laminated optical disc manufacturing method according to claim 16, wherein the second ~~first~~ predetermined temperature and the third ~~second~~ predetermined temperature are equal.

Claims 19 and 20 (Canceled)